

caBIG

*cancer Biomedical
Informatics Grid*



caBIG Structure and Coordination

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Washington, D.C.

February 19, 2004

caBIG Workspace and Working Group Kickoff Meeting



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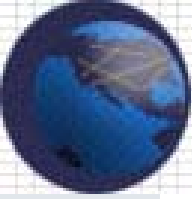
**Whatever you do, or dream you can, begin it.
Boldness has genius and power and magic in it.**

— Goethe



**A child of five would understand this. Send
someone to fetch a child of five.**

— Groucho Marx



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- ▶ **Welcome and thanks!**
- ▶ Roles and responsibilities
- ▶ Overall caBIG process
- ▶ Project resources, current and future
- ▶ Meeting goals
- ▶ What happens next?



Welcome aboard!

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- ▶ Incredible amassed talent
- ▶ Not your ordinary scientific meeting:
 - More than just talks
 - Not starting from nothing
 - Significant pool of participant talent and tools
 - Group contributes time, tools, opinions and leadership

Beyond the Kickoff Meeting:

- Meeting in smaller groups
 - Participation in electronic forums
 - Teleconferences
- and more...



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In the caBIG “Boot Cycle”

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We are at the beginning of the process

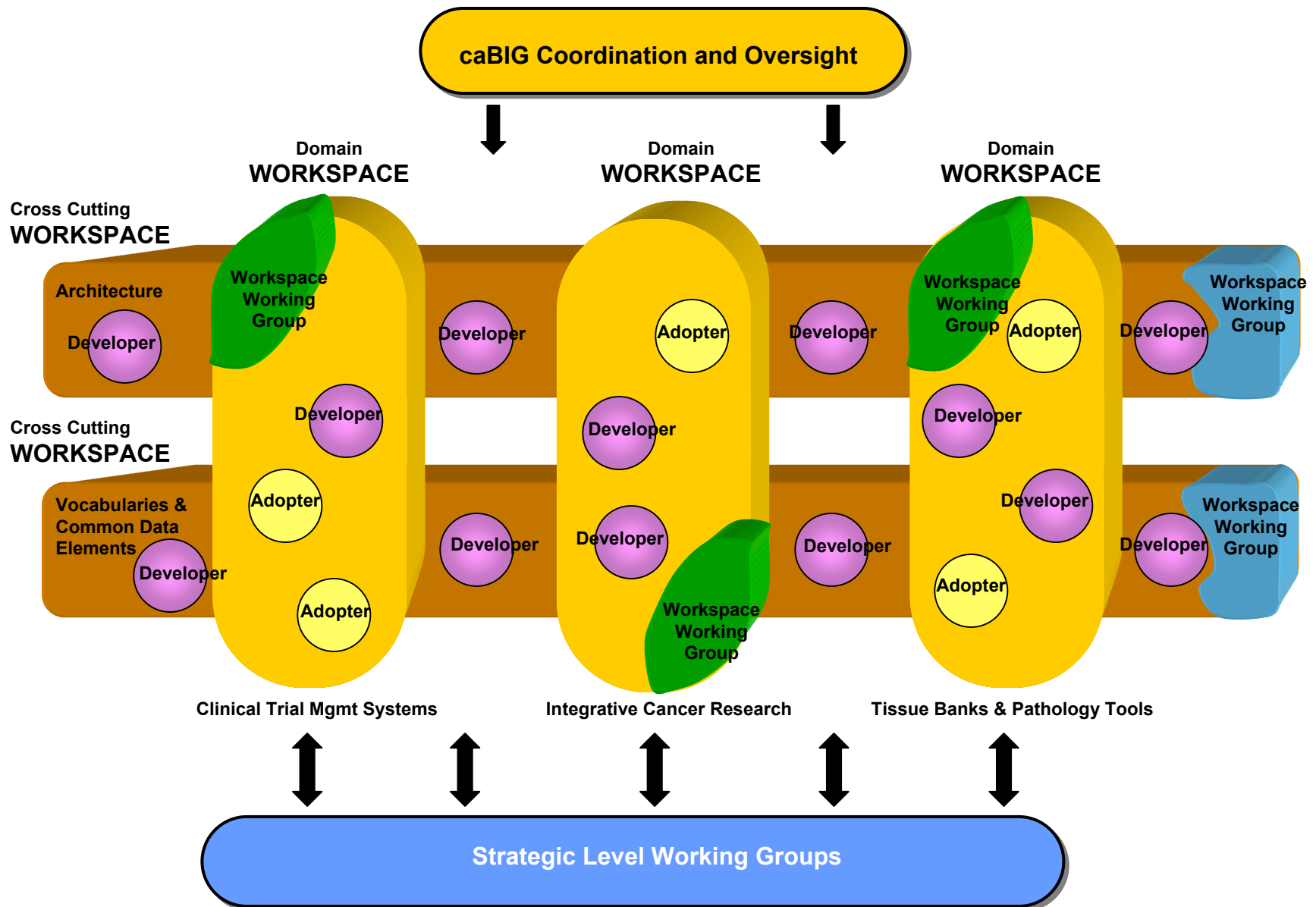
- ▶ In order to start the initiative, an initial set of principles, roles and guidelines have been developed
- ▶ Once the project is “booted and online” the participants will begin to make the adjustments necessary to keep the project optimized
- ▶ The overall structure has been developed to both allow a rapid and efficient start, while providing the mechanisms for change



The “moving parts”

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- ▶ Workspaces
 - Integration of development and adoption activities in key areas of interest and need
- ▶ Strategic Level Working Groups
 - Provide for community participation in the development of caBIG vision, structure and standards
- ▶ Master Contractor
 - Providing logistics, financial support and Workspace coordination
- ▶ caBIG Oversight Board
 - Providing coordinating supervision for the initiative as a whole





caBIG participant roles and responsibilities:

Developers

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- ▶ Developers:
 - Implement, modify or extend software according to specifications set forth by the Workspace Working Group
 - Carry out development testing and documentation
 - Work closely with Architecture and Vocabularies and Common Data Elements Workspaces, as well as the NCICB on the use complementary technologies



caBIG participant roles and responsibilities:

Adopters

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- ▶ Adopters:
 - Adopting existing caBIG compliant systems
 - Integrate prototype tools with their own systems
 - Share their data with the grid
 - Create and implement formal test and validation plans
 - Import data from their systems into new tools for testing and integration
 - Create end user documentation



caBIG participant roles and responsibilities: **Workspace Working Group Members**

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- ▶ Workspace Working Group Members:
 - Define requirements, scope and sequencing for goals and targets of that Workspace
 - Create specifications for development and adoption activities
 - Allocating effort to the defined resources for that group
 - Working with the Master Contractor to provide general specifications for activities within their Workspace



caBIG participant roles and responsibilities: **Strategic Level Working Groups**

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- ▶ Strategic Level Working Group Members:
 - Assist with strategic planning and vision development activities
 - Offer guidance on specific areas of concern to caBIG
 - Interact with external experts to ensure the adoption of appropriate standards by the caBIG Workspaces



Current pilot participation

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		Developer Sites	Adopter Sites	Additional Group Members	SLWG Members
Domain Workspaces	Clinical Trial Management	6	5	4	
	Integrative Cancer Research	13	6	5	
	Tissue Banks and Pathology Tools	2	5	6	
Cross Cutting Workspaces	Vocabularies and Common Data Elements	7			
	Architecture			9	
Strategic Level Working Groups	Data Sharing and Intellectual Capital				14
	caBIG Strategic Planning				16
	Training				10



The NCI's Master Contractor

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- ▶ Responsible for coordination of Workspace activities
- ▶ Provides funding through contracts to participating centers
- ▶ Provides a channel for communication of guidance and priorities
- ▶ Provides a measure of participant progress (e.g., contract milestones)
- ▶ Fosters accountability and provides mechanisms for conflict resolution

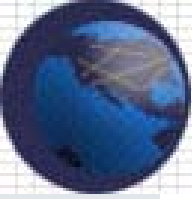
The NCI is investing resources for administration and support of the caBIG project, decreasing the burden on the participating community



Other participants

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- ▶ Other members of the biomedical informatics community
 - open source/open development projects encourage use and participation by others
- ▶ Other government agencies
 - FDA is represented here today
- ▶ Similar international projects
- ▶ Private Industry
 - Future vendor-oriented meetings, SBIRs, etc.



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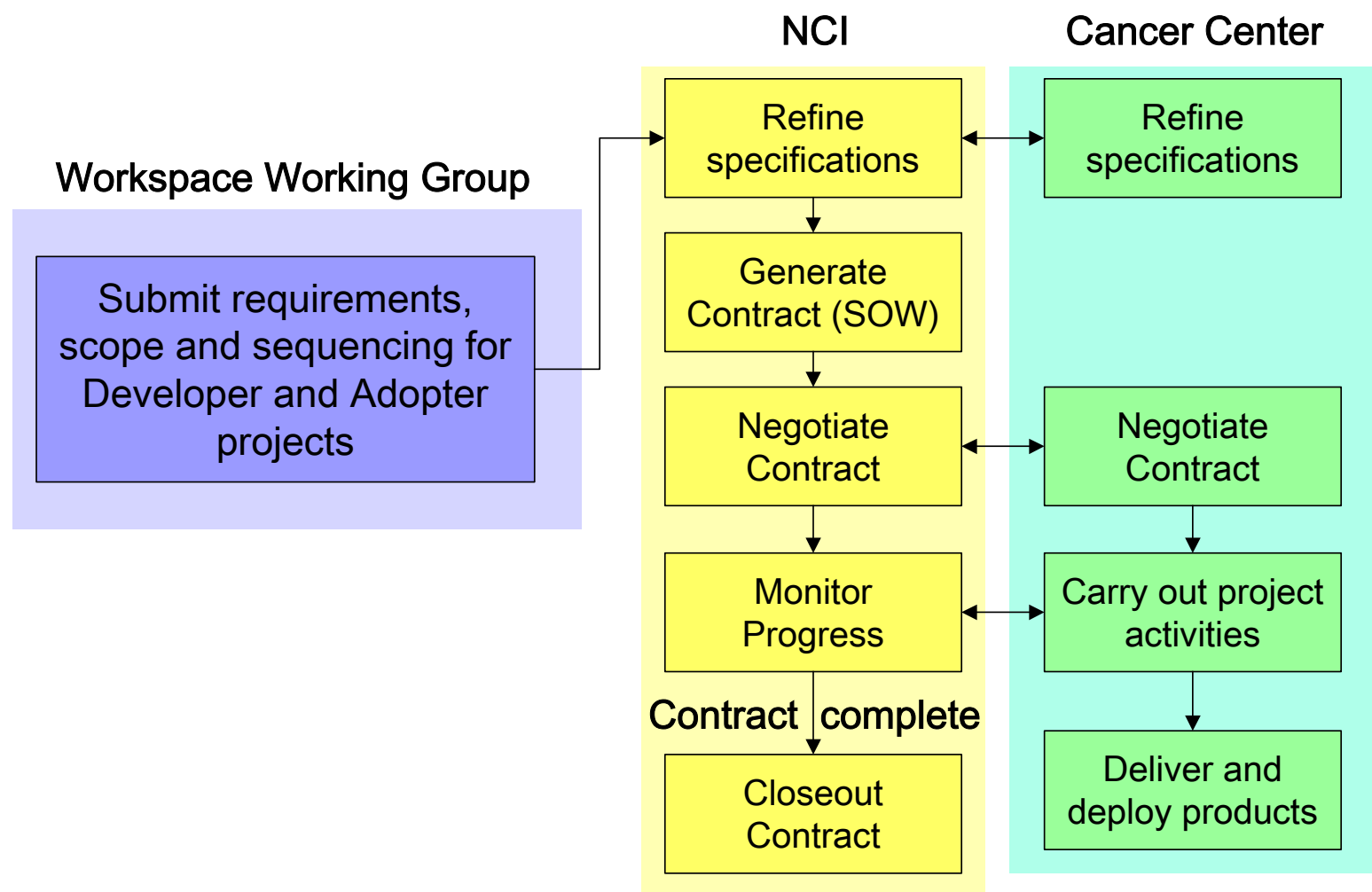
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How does caBIG work?

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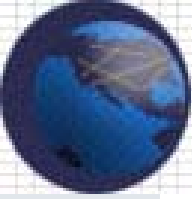


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Current caBIG website resources:

Forum

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<http://ncicbforums.nci.nih.gov/forums/caBIGforum>

fcForums - Open Source Forums - Microsoft Internet Explorer provided by Booz Allen Hamilton

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Address <http://ncicbforums.nci.nih.gov/cabigforum>



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- **caBIG Forum** -


Zope Based Discussion Forums | Your Status: [Log In](#) [E](#)

Discussion Forums

[Contact Administrator](#)

* Login is required in order to post messages and [uplo](#)

	Available Forums	Posts	Replies	Views	Last Update
view/upload Clinical Trial Management Systems files	Clinical Trial Management Systems Clinical Trial Management Systems discussion group workspace. To post a message or reply to current messages (members only), or to view topics, select this link.	4	8	112	Feb 11, 2004 - 04 By adamsm
view/upload Integrative Cancer Research files	Integrative Cancer Research Integrative Cancer Research discussion group workspace. To post a message or reply to current messages (members only), or to view topics, select this link.	5	2	63	Feb 11, 2004 - 04 By adamsm
view/upload Tissue Banks and Pathology Tools	Tissue Banks and Pathology Tools Tissue Banks and Pathology Tools discussion group workspace. To post a message or reply to current	2	1	19	Feb 11, 2004 - 04





Current caBIG website resources:

Homepage

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<http://caBIG.nci.nih.gov>

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Address <http://cabig.nci.nih.gov/>

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NATIONAL CANCER INSTITUTE **caBIG** cancer Biomedical Informatics Grid

HOME OVERVIEW PROGRESS PILOT STRUCTURE WORKSPACES INVENTORY

News/Events

- **News**
- [NEW caBIG Online Forum](#)
- [caBIG Program Updates](#)
- [caBIG FAQs](#)
- [The NCI Director's Corner](#)
- [Download caBIG Seminar PowerPoint Presentations](#)

Related Links

To expedite the cancer research communities' access to key bioinformatics platforms the NCI plans to deploy an integrating biomedical informatics infrastructure: the cancer biomedical informatics grid (caBIG). In partnership with the cancer research community, the NCI is creating a common, extensible informatics platform that integrates diverse data types and supports interoperable analytic tools. This platform will research groups to tap into the rich collection of emerging cancer research data while supporting their individual investigations.

Overview
caBIG at a GLANCE - Overview of Activities and Accomplishments to Date.

Progress
Selecting Pilot Center Participant

Pilot Structure
Proposed Pilot Structure and Management Approach

Workspaces
Areas or virtual environments where caBIG pilot project activities will



Current caBIG website resources:

Homepage

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(linked from) <http://ncicbforums.nci.nih.gov/forums/caBIGforum>


http://ncicbforums.nci.nih.gov/forums/cabigforum/lfs/ctmslfs - Microsoft Internet Explorer provided by Booz Allen Hamilton

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Directory listing of /forums/forums/cabigforum/lfs/ctmslfs

Name	Last Modified	Size	Type
 Parent Directory			
 test.doc	11:14:03 2004/02/06	23.5 kB	application/msword

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Current caBIG website resources:

Applications and tools

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<http://caBIG.nci.nih.gov/caBIG/inventory>

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 **Applications**
Compendium of applications and software tools to support the use of caBIG architecture, facilitate collection of data, and support the analysis and integration of data.

 **Infrastructure**
Compilation and description of key infrastructures underlying the caBIG effort, including ontologies, common data elements, and object models.



NCI open source license

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http://ncicb.nci.nih.gov/NCICB/core/caBIO/technical_resources/core_jar/license

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Center for Bioinformatics

Home Organization Initiatives Infrastructure Support Download

NCICB > Infrastructure > caBIO > Technical Resources > caBIO jar files > Disclaimer :

Tools

- [caBIO Users Guide](#)

Related Links

- [Apache Xerces-J XML parser](#)
- [Sun XML parser](#)
- [Apache Crimson Java XML parser](#)
- [Apache SOAP](#)
- [GNU \(tar, gzip\)](#)

The caBIO Software License, Version 2.0.1

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2. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

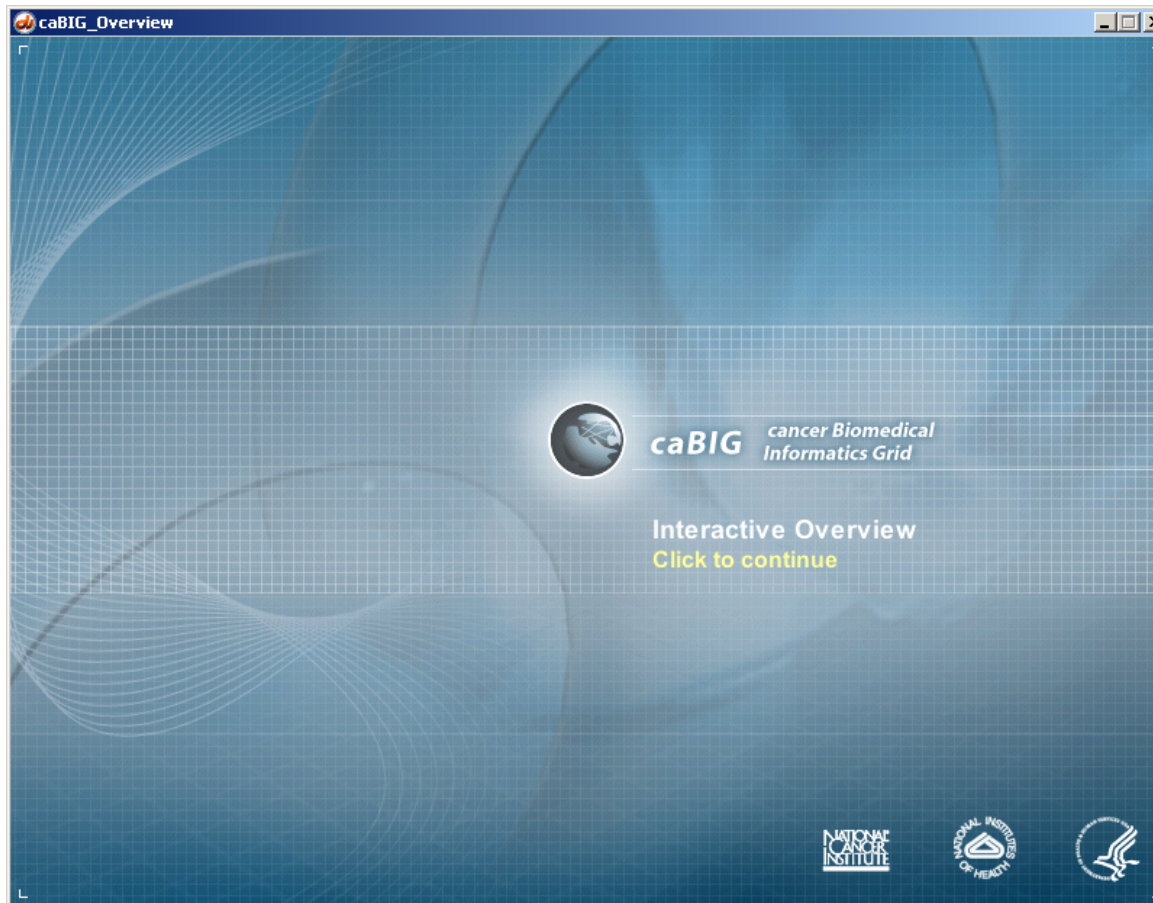


Current caBIG website resources:

Interactive Overview

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<http://cancer.gov/directorscorner/caBIG> (and on your CD-ROM)





Other resources available to caBIG pilot participants

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- ▶ Teleconferencing infrastructure
- ▶ Custom Project LISTSERVs
- ▶ Support in arranging participant meetings
- ▶ Applications support for NCICB caBIG tools and software
- ▶ Extensive caBIG program documentation
- ▶ Templates and forms for:
 - Requirements
 - Project Scoping
 - Software specifications



Project resources planned or in progress

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- ▶ caBIG Website Master Calendar
- ▶ caBIG online source code repository
- ▶ Online software defect tracking
- ▶ Portal to caBIG community projects
- ▶ Index of community caBIG online resources

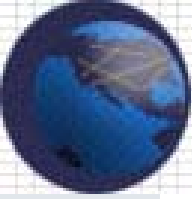


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Today and tomorrow's meeting goals

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- ▶ Meet other Workspace and Working Group participants
- ▶ Learn about projects and interests at the NCI and at the Centers
- ▶ Discuss what might be required to bring those capabilities into the caBIG
- ▶ Decide on the most effective means of communicating between and within Workspaces and Working Groups, possibly including a venue and schedule for next meeting
- ▶ Determine the requirements, scope and sequencing for participants
 - Developer
 - Adopter
 - Working Group Members
- ▶ Collectively create a draft action plan for Workspace Participants and Strategic Level Working Groups

and, most importantly...



Have Fun!



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What happens next?

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By March 5th:

- ▶ Posted on caBIG website
 - Program update
 - Plenary presentations
- ▶ Posted to Workspace forums
 - Workspace Draft Action Plans
 - Center presentations



What else happens next?

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- ▶ Contracting activities
 - Will commence as soon as Master Contractor is awarded
 - Anticipated Master Contractor Award March 1
 - First contracts early April
 - Will not all go in parallel
 - Processed as rapidly as possible
- ▶ Upcoming meetings
 - Will be discussed by Workspaces and Working Groups
 - Announced via caBIG_Announce LISTSERV
 - Posted to caBIG website caBIG Master Calendar (as soon as it becomes available)



**Thanks again for your enthusiasm, patience and hard work.
Have a great meeting!**